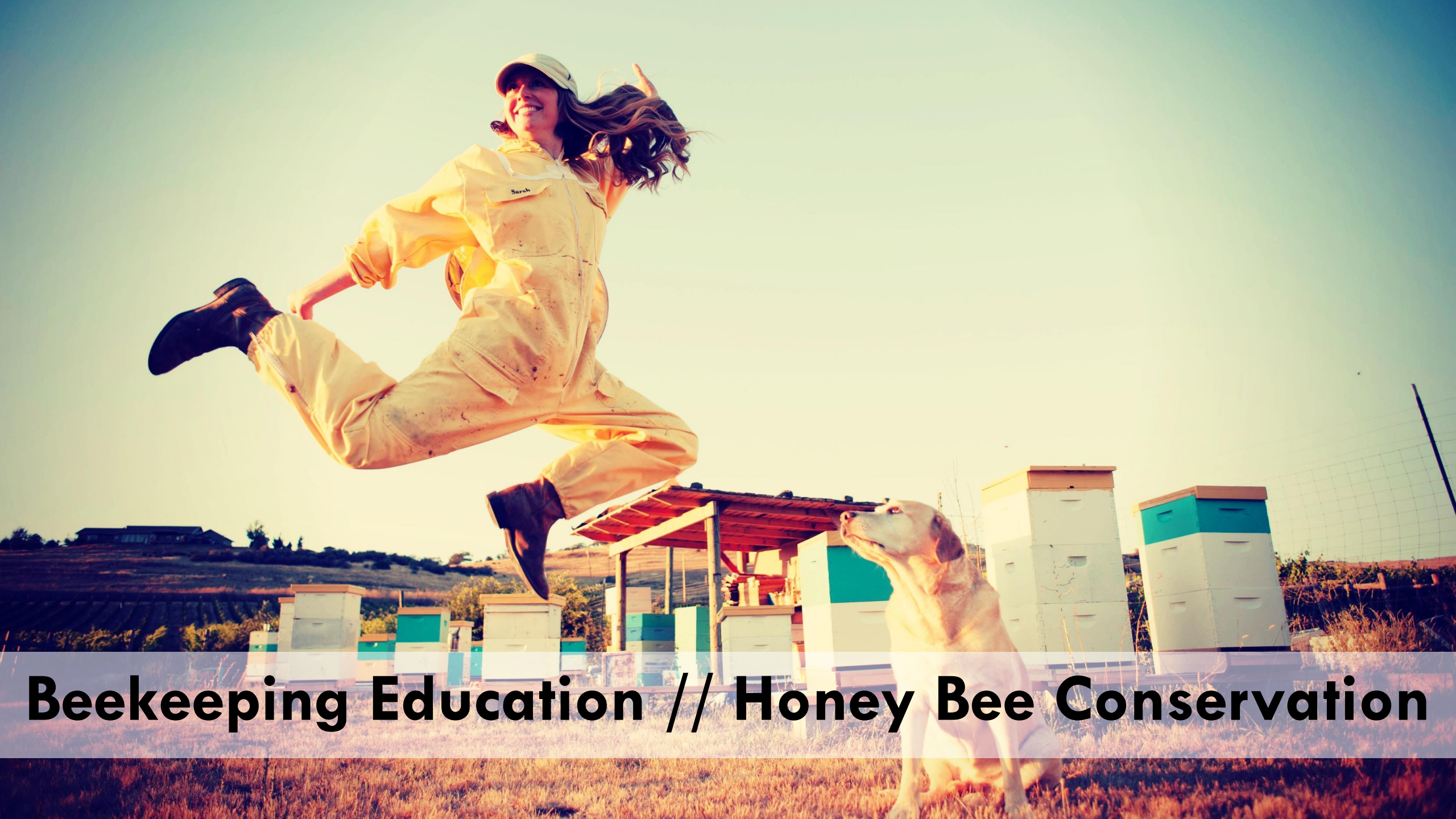
ODOT POLLINATOR MONITORING PROJECT

Bee Girl

- University of Montana, Missoula
  - Iridovirus and Microsporidian Linked to CCD
  - Sonagraphic analysis of hive health
  - Pesticide effects
  - “Bomb sniffing” bees
  - OLLI

The Bee Girl mission is to inspire and empower communities to conserve bees and their habitat.



Beekeeping Education // Honey Bee Conservation

PRESENT ACTIVITIES

Kids and Bees

Beekeeping Workshops

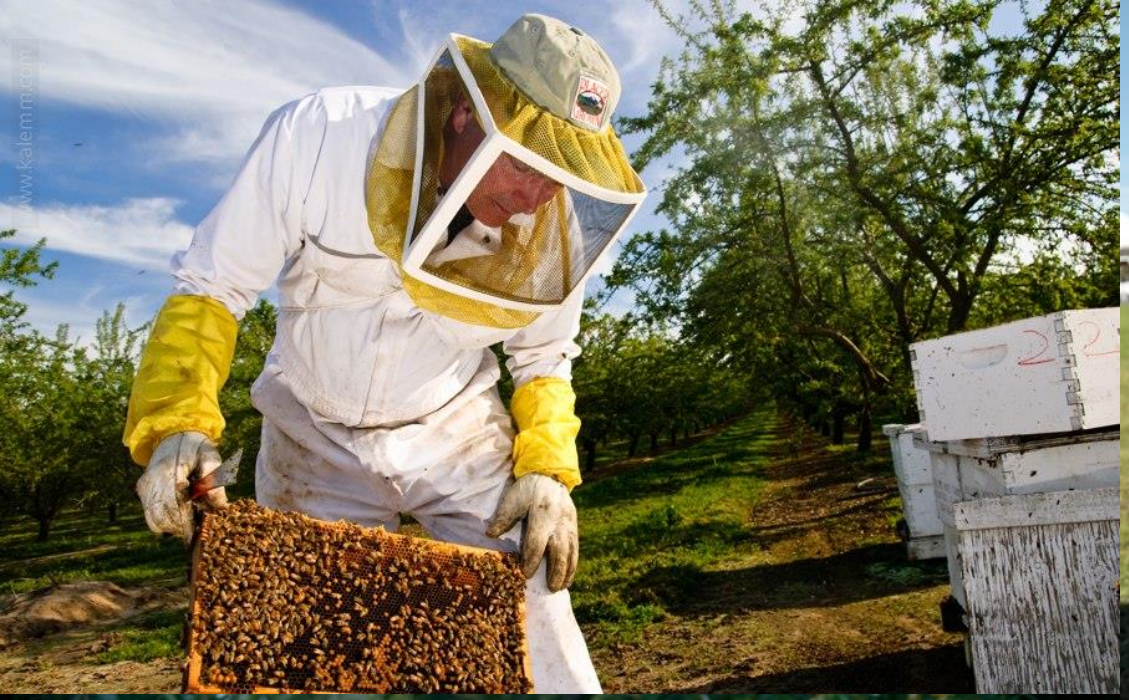
Farming for Bees Initiative

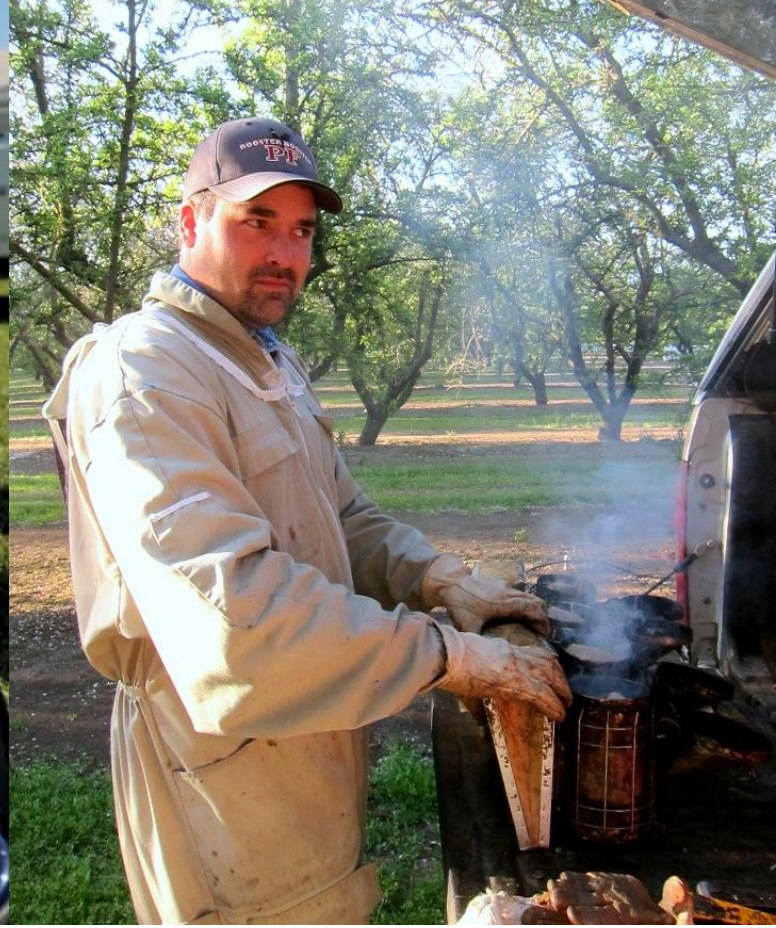
Public Education

Next Generation Beekeepers Initiative

Public Lands for Bees and Beekeepers

Bees and Honey!





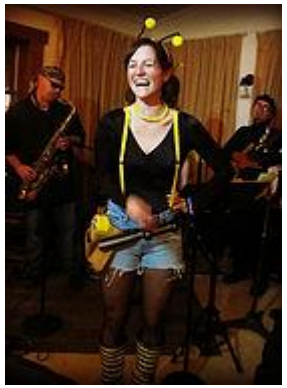
Miller Honey Farms

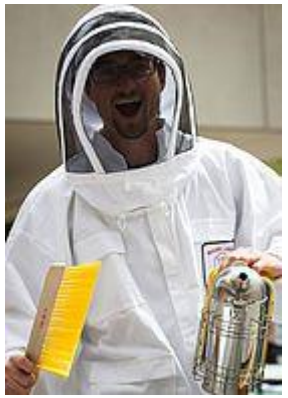
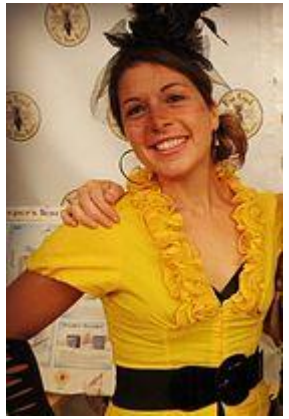
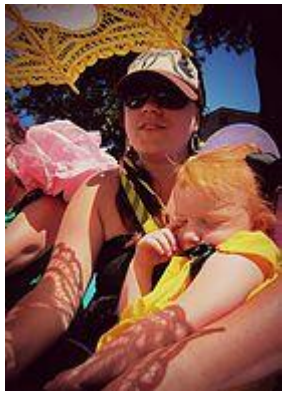
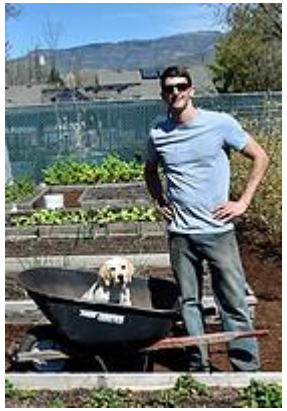
Browning's Honey

University of Montana

University of Minnesota





Honey Bee Extraordinaire / Scientific Advisor
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Finance Guy / Treasurer
Dustin Poland

Apiary Based Education Expert
Ryan King

Environmental and Botanical Expert / Secretary
Mariah Moser

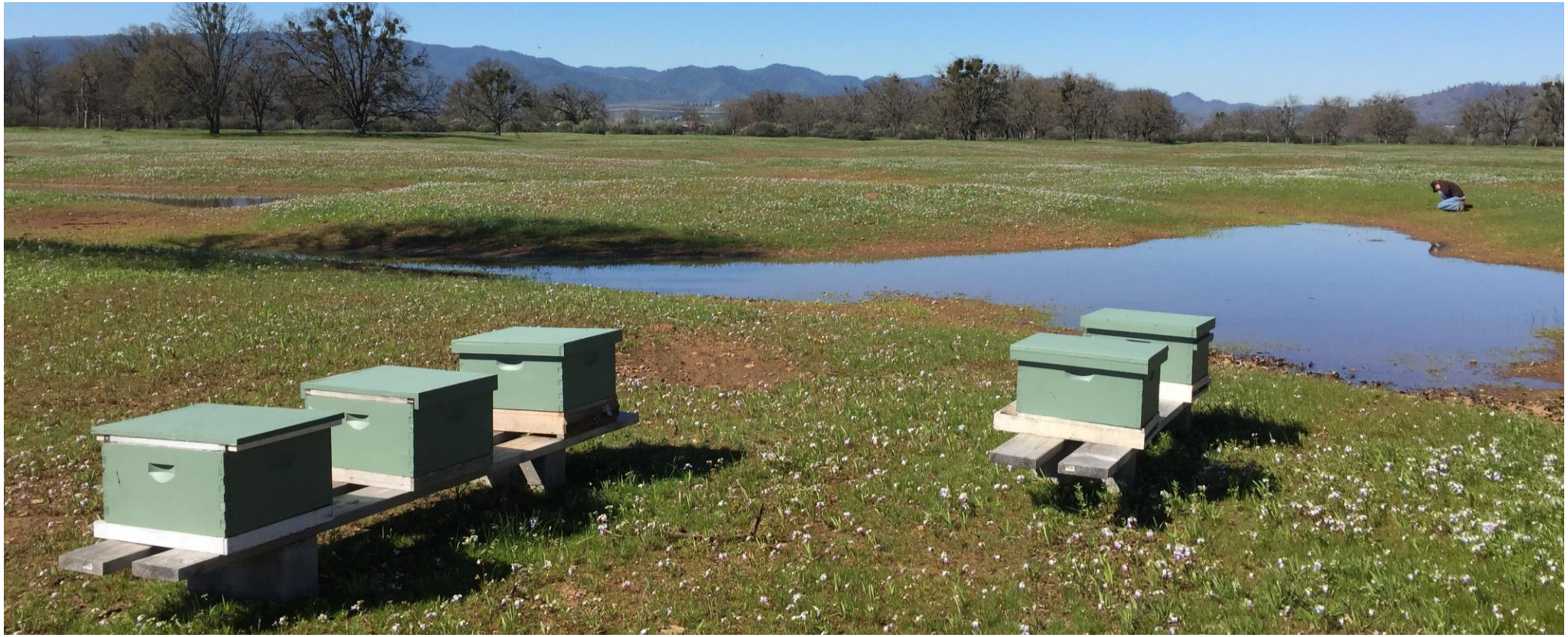
Education Virtuoso
Jenni Maybin

Master Food Grower / Law Man
Kevin Stout

ODOT POLLINATOR MONITORING PROJECT

Purpose: To monitor pollinator abundance and diversity on the Oregon Department of Transportation (ODOT) vernal pool habitat wetland restoration project, with a focus on bees (*hymenoptera*). Tracking this data will aid in monitoring the success of this project by indicating the health of keystone species habitat.

We also hope to provide data-based planting recommendations on future pollinator health projects, as well as explore the relationship between native bees and honey bees.



GOALS/QUESTIONS

- Is the restoration supporting bees?
- Who is out there (abundance and diversity)
- Which seed mixes are the most attractive to bees?
- Is there a difference in the un-restored site?
- Will the abundance and diversity change over time?
- What will happen to the native bee population when we pull the managed honey bee hives?

METHODS

Pollinator Monitoring Sheet: ODOT Vernal Pool Project

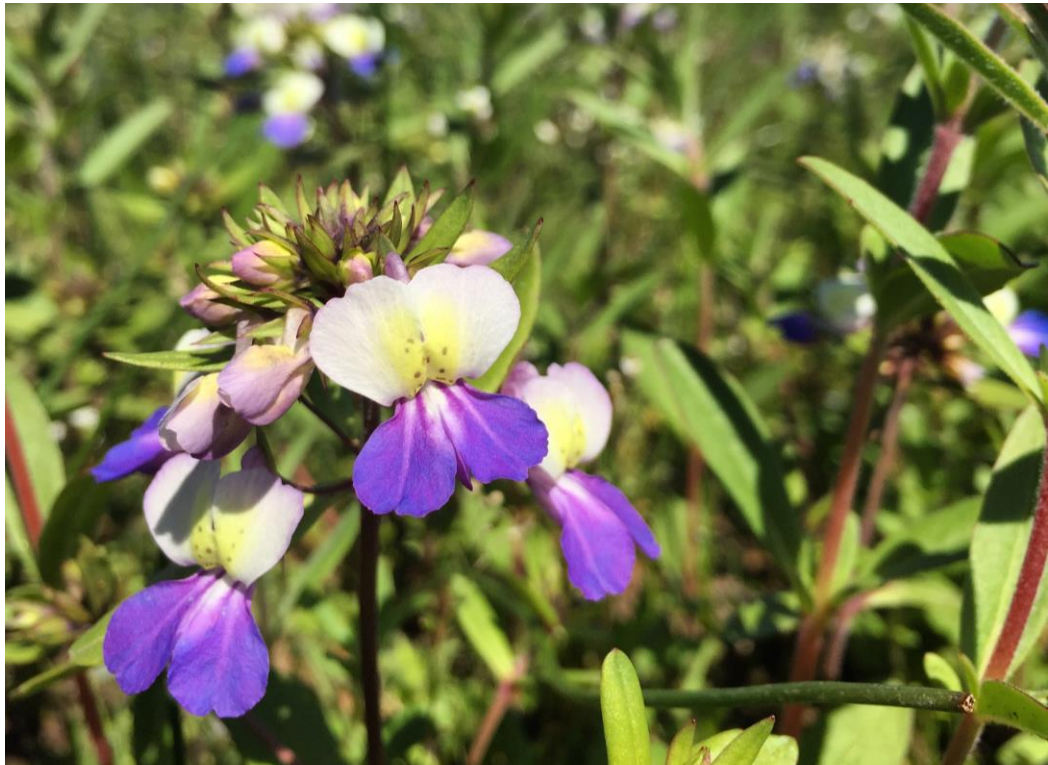
Date: ____/____/____ **Observer(s):**_____

Visit #: ____ of 13 **Skies (circle):** Clear / Partly Cloudy / Bright Overcast **Temp:** _____ ˚F

Transect	Start Time	End Time	# Bees	Family	# Non-bee pollinators	Order	Notes
OB 1							
OB 2							
OB 3							
SN 1							
SN 2							
Intuitive Control							
Control							

Notes:

- Frequency
- Weather
- Transects
- Keying out the pollinators

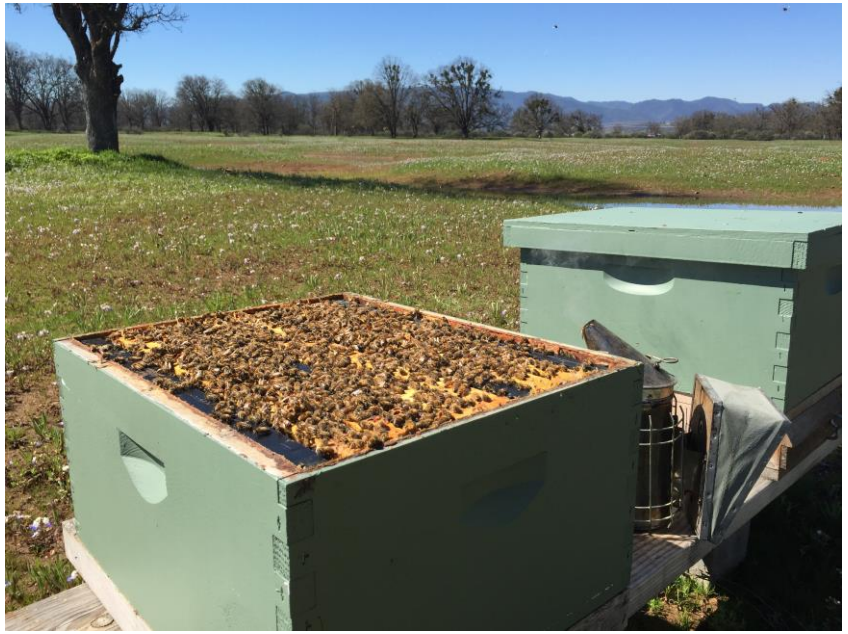


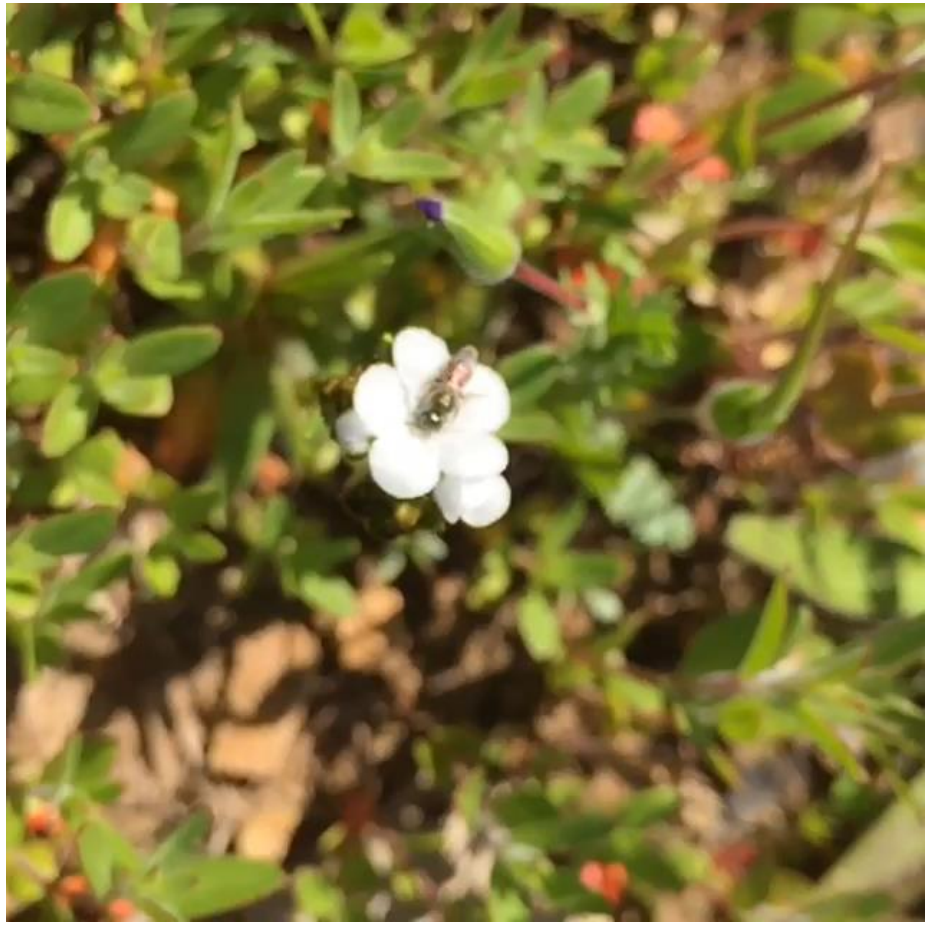
CURRENT FINDINGS

- One session on 3/31

- Transects:
- 4 honey bees, mostly interested in the Limnanthes, also Collinsia, and Erodium
- 1 bee fly (family Bombyliidae)

- Intuitive control: 2 Apidae Bombus, 20 Apis melifera, 1 Halictidae





STAY IN TOUCH!

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#ODOTpollinators